

IN THE CLAIMS

Please amend the claims as follows:

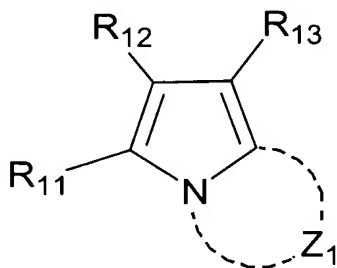
Claim 1 (Currently Amended): [[A]] An organic thin film transistor comprising:
at least three terminals consisting of a gate electrode, a source electrode and a drain
electrode; and

an insulating layer and an organic semiconductor layer on a substrate, which controls
[[its]] an electric current flowing between the source and the drain by applying [[a]] an
electric voltage across the gate electrode, a distance between the source electrode and the
drain electrode being 1 μ m to 1mm;

wherein the organic semiconductor layer comprises a heterocyclic compound
containing a nitrogen atom formed by condensation between five member rings each having a
nitrogen atom at their condensation sites or between a five-member ring and a six-member
ring each having a nitrogen atom at their condensation sites.

Claim 2 (Original): The organic thin film transistor according to Claim 1, wherein
said heterocyclic compound containing a nitrogen atom is a compound expressed by a
following general formula (I):

(I)

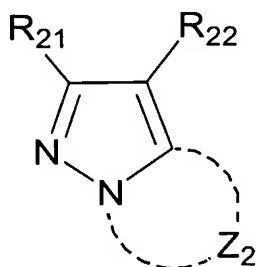


wherein R₁₁, R₁₂ and R₁₃ each independently represents a hydrogen atom or a
substituent; and

Z₁ represents an atomic group forming a five-member ring or a six-member ring.

Claim 3 (Original): The organic thin film transistor according to Claim 1, wherein
said heterocyclic compound containing a nitrogen atom is a compound expressed by a
following general formula (II):

(II)

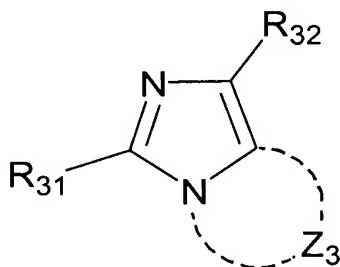


wherein R₂₁ and R₂₂ each independently represents a hydrogen atom or a substituent;
and

Z₂ represents an atomic group forming a five-member ring or a six-member ring.

Claim 4 (Original): The organic thin film transistor according to Claim 1, wherein said heterocyclic compound containing a nitrogen atom is a compound expressed by a following general formula (III):

(III)

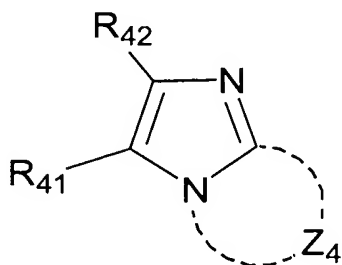


wherein R₃₁ and R₃₂ each independently represents a hydrogen atom or a substituent;
and

Z₃ represents an atomic group forming a five-member ring or a six-member ring.

Claim 5 (Original): The organic thin film transistor according to Claim 1, wherein said heterocyclic compound containing a nitrogen atom is a compound expressed by a following general formula (IV):

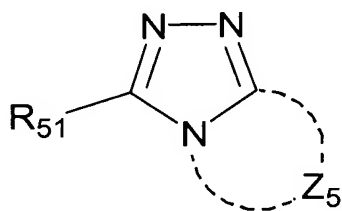
(IV)



wherein R₄₁ and R₄₂ each independently represents a hydrogen atom or a substituent;
and
Z₄ represents an atomic group forming a 5-member ring or a 6-member ring.

Claim 6 (Original): The organic thin film transistor according to Claim 1, wherein said heterocyclic compound containing a nitrogen atom is a compound expressed by a following general formula (V):

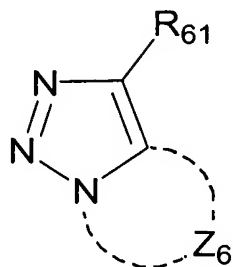
(V)



wherein R₅₁ represents a hydrogen atom or a substituent; and
Z₅ represents an atomic group forming a five-member ring or a six-member ring.

Claim 7 (Original): The organic thin film transistor according to Claim 1, wherein said heterocyclic compound containing a nitrogen atom is a compound expressed by a following general formula (VI):

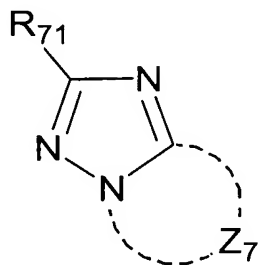
(VI)



wherein R₆₁ represents a hydrogen atom or a substituent; and
Z₆ represents an atomic group forming a five-member ring or a six-member ring.

Claim 8 (Original): The organic thin film transistor according to Claim 1, wherein said heterocyclic compound containing a nitrogen atom is a compound expressed by a following general formula (VII):

(VII)



wherein R₇₁ represents a hydrogen atom or a substituent; and
Z₇ represents a group forming a five-member ring or a six-member ring.

Claim 9 (New): The organic thin film transistor according to Claim 1, wherein the distance between the source electrode and the drain electrode is 5 μ m to 1mm.

Claim 10 (New): The organic thin film transistor according to Claim 1, wherein the source electrode and the drain electrode are formed on the insulating layer.

Claim 11 (New): The organic thin film transistor according to Claim 1, wherein the source electrode and the drain electrode are formed on the organic semiconductor layer.

Claim 12 (New): The organic thin film transistor according to Claim 1, wherein the source electrode and the drain electrode are formed on the substrate.

Claim 13 (New): The organic thin film transistor according to Claim 1, wherein a field-effect mobility of electrons of the heterocyclic compound is $1.0 \times 10^{-3} \text{ cm}^2/\text{Vs}$ or more.